

ABSTRACT

A process is provided to produce a dilute ethylene stream and a dilute propylene stream to be used as feedstocks for producing olefin-based derivatives. Specifically, the dilute ethylene stream is used as a feedstock to produce ethylbenzene, and the dilute propylene stream is used as a
5 feedstock to produce cumene, acrylic acid, propylene oxide and other propylene based derivatives.

20105US1